

COMPUTER INTEGRATED MANUFACTURING SYSTEMS

Index to Volume 11 (1998)

Numbers 1-2 (February-May) 1-134

Number 3 (July) 135-242

Number 4 (October) 243-358

Article index

Numbers 1-2

Synthesis of design concepts from a design for assembly perspective
W. Hsu, J.Y.H. Fuh and Y. Zhang 1
Modeling an assembly line for configuration and flow management
M. Lucertini, D. Pacciarelli and A. Pacifici 15
Application of the 'Fusion' method in designing a generic object-oriented modelling shell for manufacturing systems
M. Ziaie Moayyed and G.C. Vosniakos 25
An integrated fault diagnostic mechanism based on statistical characteristics of products for heterogeneous manufacturing environments
S.-Y. Ryu and J.H. Park 35
Intelligent planning of CAD-directed inspection for coordinate measuring machines
K.-C. Fan and M.C. Leu 43
An intelligent software system for the automatic generation of NC programs from wireframe models of 2-1/2D mechanical parts
G. Vosniakos 53
A generic integrated system from CAD to CAPP: a neutral file-cum-GT approach
H. Lau and B. Jiang 67
Equipment selection, integration and interfacing of a robotic PCBA component rework cell
N. Geren and E.K. Lo 77
An integrated graphical user interface (GUI) for concurrent engineering design of mechanical parts

K.-H. Chen, S.-J. Chen, L. Lin and S.W. Changchien 91
A genetic algorithm for facility layout problems
K.L. Mak, Y.S. Wong and F.T.S. Chan 113

Number 3

Efficient sampling for computer vision straightness inspection
C.-B. Chen and C.-C. Wei 135
Using mechanical hardware to simplify process planning
S.E. Sarma and P.K. Wright 147
Optimization and graphical representation of machining conditions in multi-pass turning operations
M.C. Cakir and A. Gurarda 157
A framework of a concurrent process planning system for mold manufacturing
R.-S. Lee, Y.-M. Chen, H.Y. Cheng and M.-D. Kuo 171
An analysis of dimensional and locational variations in surface-mounted component assembly
T. Radhakrishnan 191
Optimal control of a single link manipulator including motor dynamics
Y. ElDeeb and W.H. ElMaraghy 199
An automated flow line control system design
D.-C. Gong 207
A methodology to select optimal system components for computer integrated manufacturing by evaluating synergy
S.V. Nagalingam and G.C.I. Lin 217
A method for the acquisition of users requirements in discrete manufacturing

cell systems
J.Q. Jin, M. Loftus and I.T. Franks 229

Number 4

Neural networks implementations to control real-time manufacturing systems
G. Cohen 243
Modification of a NURBS curve with nose features
W.-C. Lu and J.-M. Huang 253
An object oriented approach to design with modules
P. O'Grady and W.-Y. Liang 267
Support for product data from design to production
Z. Kovacs, J.-M. Le Goff and R. McClatchey 285
A mechanism for the integration of TQM and MRPII
K.L. Yung, A.W.H. Ip and D.C.K. Chan 291
Self-supervised learning for an operational knowledge-based system
P. Olley and A.K. Kochhar 297
Automatic CNC milling of pockets: geometric and technological issues
A. Hatna, R.J. Grieve and P. Broomhead 309
Organizing a 'network of enterprises': an object-oriented design methodology
A. Villa 331
Grind-free tool path generation for five-axis surface machining
J. Pi, E. Red and G. Jensen 337
Development of a package selection method and tool for small and medium sized enterprises (SMEs)
D. Little 351

Author index

Broomhead, P. 309

Cakir, M.C. 157
Chan, D.C.K. 291
Chan, F.T.S. 113
Changchien, S.W. 91
Chen, C.-B. 135
Chen, K.-H. 91
Chen, S.-J. 91
Chen, Y.-M. 171
Cheng, H.Y. 171
Cohen, G. 243

ElDeeb, Y. 199
ElMaraghy, W.H. 199

Fan, K.-C. 43
Franks, I.T. 229
Fuh, J.Y.H. 1

Geren, N. 77
Gong, D.-C. 207
Grieve, R.J. 309
Gurarda, A. 157

Hatna, A. 309
Hsu, W. 1
Huang, J.-M. 253

Ip, A.W.H. 291

Jensen, G. 337
Jiang, B. 67
Jin, J.Q. 229

Kochhar, A.K. 297
Kovacs, Z. 285

- Kuo, M.-D. 171
- Lau, H. 67
- Le Goff, J.-M. 285
- Lee, R.-S. 171
- Leu, M.C. 43
- Liang, W.-Y. 267
- Lin, G.C.I. 217
- Lin, L. 91
- Little, D. 351
- Lo, E.K. 77
- Loftus, M. 229
- Lu, W.-C. 253
- Lucertini, M. 15
- Mak, K.L. 113
- McClatchey, R. 285
- Nagalingam, S.V. 217
- O'Grady, P. 267
- Olley, P. 297
- Pacciarelli, D. 15
- Pacifici, A. 15
- Park, J.H. 35
- Pi, J. 337
- Radhakrishnan, T. 191
- Red, E. 337
- Ryu, S.-Y. 35
- Sarma, S.E. 147
- Villa, A. 331
- Vosniakos, G. 53
- Vosniakos, G.C. 25
- Wei, C.-C. 135
- Wong, Y.S. 113
- Wright, P.K. 147
- Yung, K.L. 291
- Zhang, Y. 1
- Ziaaie Moayyed, M. 25

